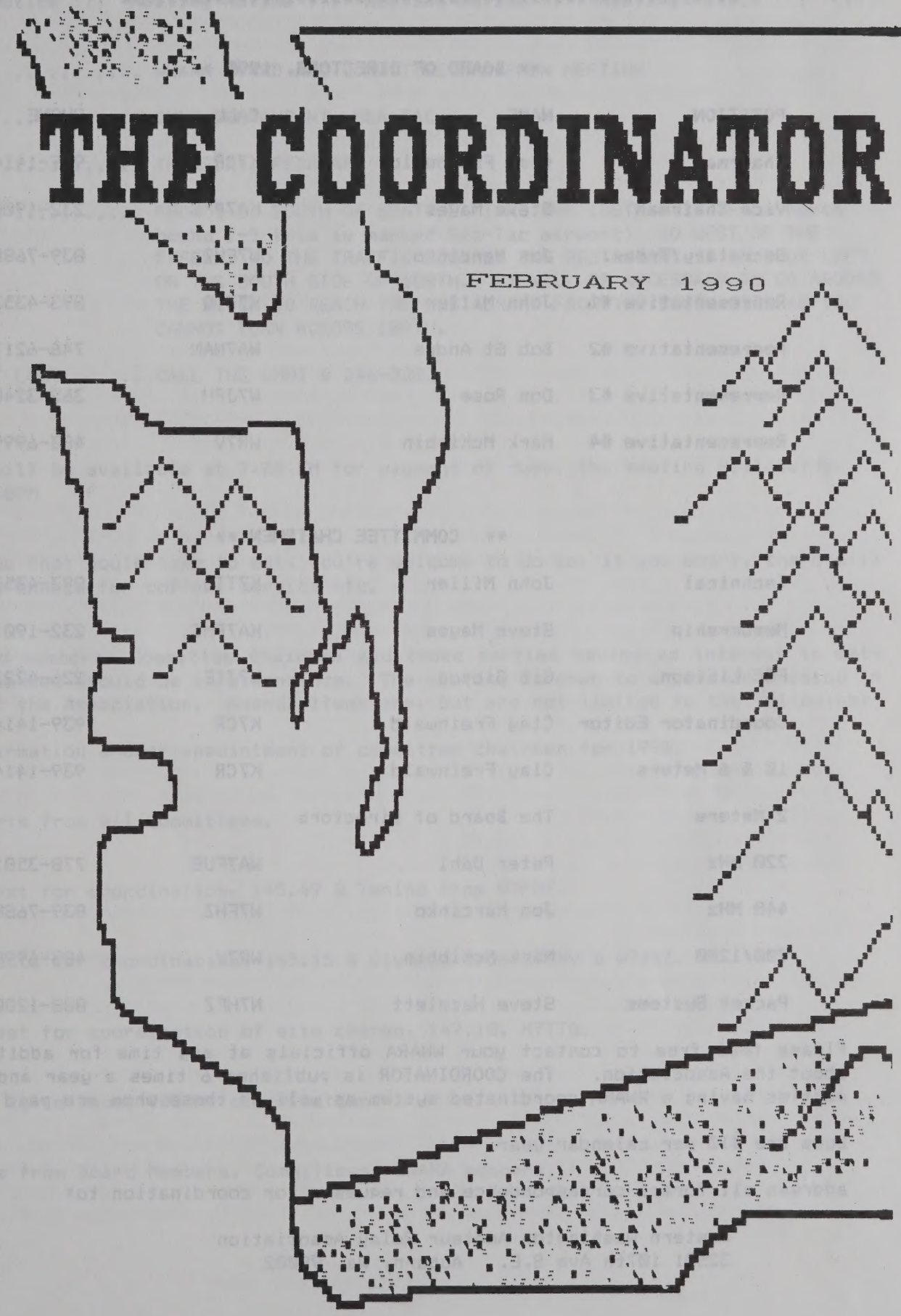
WWARA THE COORDINATOR

FEBRUARY 1990



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* THE WESTERN WASHINGTON AMATEUR RELAY ASSOCIATION *
* SERVING REPEATER OWNERS AND USERS SINCE 1976 *
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** BOARD OF DIRECTORS, 1990 **

POSITION	NAME	CALL	PHONE
Chairman	Clay Freinwald	K7CR	939-1414
Vice Chairman	Steve Mayes	KA7PMC	232-1901
Secretary/Treas.	Jon Marcinko	W7FHZ	839-7688
Representative #1	John Miller	K7TTQ	893-4353
Representative #2	Bob St Andre	WA7NAN	746-6217
Representative #3	Don Rose	W7JPH	362-3240
Representative #4	Mark McKibbin	WR7V	483-6999

** COMMITTEE CHAIRMEN **

Technical	John Miller	K7TTQ	893-4353
Membership	Steve Mayes	KA7PMC	232-1901
FCC Liaison	Gib Gibson	W7JIE	226-4222
Coordinator Editor	Clay Freinwald	K7CR	939-1414
10 & 6 Meters	Clay Freinwald	K7CR	939-1414
2 Meters	The Board of Directors		
220 MHz	Peter Dahl	WA7FUS	778-3581
440 MHz	Jon Marcinko	W7FHZ	839-7688
900/1200	Mark McKibbin	WR7V	483-6999
Packet Systems	Steve Hazelett	N7HFZ	888-1280

Please feel free to contact your WWARA officials at any time for additional information about the Association. The COORDINATOR is published 6 times a year and is mailed to all parties having a WWARA coordinated system as well as those whom are paid USER members.

Dues are $10 per calendar year.

address all formal correspondence and requests for coordination to:

Western Washington Amateur Relay Association
32521 107th Ave S.E. Auburn, Wa. 98002

>>> **Meeting Notice !!! Meeting Notice !!! Meeting Notice !!! Meeting Notice !!!** <<<

WHAT ..... WWARA BOARD AND COMMITTEE CHAIRMEN MEETING

WHERE ..... OMNI RESTAURANT, SEA-TAC

WHEN ..... THURSDAY, FEBRUARY 1, 1990

DIRECTIONS ..... FROM I-5, SOUTH OF SEATTLE, TAKE THE 188TH EXIT (From North bound I-5 this is marked Sea-Tac airport) GO WEST OF THE FREEWAY TO THE TRAFFIC SIGNAL, THE RESTAURANT IS ON YOUR LEFT ON THE SOUTH SIDE OF 188TH. IT WILL BE NECESSARY TO GO AROUND THE BLOCK TO REACH THE RESTAURANT FROM THE SOUTH SIDE AS YOU CANNOT TURN ACROSS 188TH.

IF YOU GET LOST .....CALL THE OMNI @ 246-3283

The Treasurer will be available at 7:00 PM for payment of dues, the meeting will being, promptly at 7:30PM

For those of you that would like to eat, you're welcome to do so, if you don't, there will be a per person charge for coffee, service etc.

All WWARA Board members, Committee Chairmen and those parties having an interest in matters to be discussed should be in attendance. The meeting is open to anyone interested in the business of the Association. Agenda items are, but are not limited to the following:

1. Confirmation and/or appointment of committee chairmen for 1990.

2. Reports from all Committees.

3. Request for coordination, 145.49 @ Tenino from W7FHZ.

4. Requests for coordination, 145.15 @ Olympia from K7CHV & W7JEZ.

5. Request for coordination of site change, 147.10, K7TTQ.

6. What to do about 900MHz coordination.

7. Items from Board Members, Committees, WWARA members.

MINUTES OF THE DECEMBER 2nd MEETING OF THE WWARA

LAKEWOOD LIBRARY 10:00 AM

The meeting was called to order by Vice Chairman, Herman Entz, K7PAG at 10:10 AM after an early registration and dues paying session.

Introductions were made around the room, those who signed the register include:

Geoff Apgar, W7JEZ	Sam Carroll, W7JLF
Don Ashley, W7HMJ	Jon Marcinko, W7FHZ
Herman Entz, K7PAG	Steven Mayes, KA7PMC
Rick Hyde, N7EHP	Bill Rourke, W7ERH
Don Wertz, N7NKJ	Bob Donnell, KD7DM
Mark McKibbin, WR7V	Peter Dahl, WA7FUS
Scott Bogue, KE7LE	Chuck Northcutt, W7SRZ
Randy Hanson, N7HNX	Nancy McKibbin, KB7BJE

Herman explained that he was officiating over the meeting because Clay has a prior commitment through his work. He also indicated that several Board members would not be in attendance as well, namely, Mike Hart, Don Rose and John Miller.

MINUTES CORRECTIONS AND APPROVAL:

1. The following sentence should be inserted on page 5, just before the last sentence of old business...."The Chair indicated it was his opinion the first letter of turn-back was in force and the Board could re-coordinate the frequency after the report is finished"
2. On page 4, close to the bottom of the page, in question 1, the word OUTS should be OURS. With these corrections made, it was moved and seconded that the minutes be approved as amended. WR7V (M) W7SRZ (S). The motion passed.

TREASURERS REPORT:

Previous Balance.....	$780.89
Stamps for Secretary.....	-25.00
Coordinator printing, Nov.	-30.00
Coordinator mailing.....	-90.00
Meeting room and deposit..	-45.00
Income from dues.....	+30.00
Current Balance.....	$620.89

It was moved and seconded that the report be approved as read, WR7V (M) W7JEZ (S). The motion passed.

There was no official correspondence to be read at this time, news letters from coordination groups were presented for inspection by the members.

COMMITTEE REPORTS:

The Packet Committee reported that a new 145.01 full duplex station has replaced the old station on Grass Mtn (Baldi) and a high speed back bone UHF frequency has been coordinated for that same location

There was no Technical Committee report as John Miller was absent.

Membership Committee Chair, K7PAG, indicated no new activity but stated he had a change of heart about the mailing of the COORDINATOR and who should receive it. He asked for comments about last meetings decisions to strictly adhere to the Bylaws regarding who gets the mailings.

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The majority agreed that it was in the Associations best interest to continue sending the COORDINATOR to all coordinated repeater operations whether currently paid-up member or not. The solvency of the organizations should dictate when this unwritten policy should be suspended. Herman also suggested that we send a new updated copy of the Bylaws to all members. It was further suggested that applications for membership be sent to all previous and future applicants requesting coordination.

There was no FCC report.

Clay was not in attendance to give a report on 10/6 meters but it was mentioned that there has been a renewed interest in this band judging from the current activity and the skip conditions.

The Two Meter topics are to be brought up later in the meeting.

The 220 coordinator, Peter Dahl, WA7FUS, reported on several situations on the band. He reported that W7TPF has moved to Seattle and has asked for re-coordination of his 220 frequency there. 224.24 has recently been coordinated to Bill Rourke, W7ERH, in Seattle. N7HNX and N7NW have completed a swap of frequencies 223.98 and 223.94 respectively to eliminate an interference problem. He also reported that NV7L has been coordinated 224.86 for operation in Naselle, Washington.

The 440 coordinator, Jon Marcinko, reported on several coordinations recently conducted. Larry Babcock, WB7USL, has been coordinated a UHF backbone at his Enumclaw site for use by the NAPRA organization. Mark Holbrook, WS7M, was coordinated the repeater pair of 441/446.450 for use in the Issaquah area. Scott Bogue, KE7LE, was coordinated the old John Kelley frequencies of 442/447.45 for use on the old Channel 13 tower in Tacoma. The freq. of 443/448.975 was coordinated to the Quantum Medical Repeater Group under the call sign of N7ECR. This will be a low level repeater in Issaquah. John Bridenbaugh, N7KGJ, and his group were coordinated the pair of 444/449.525 for use at the old Ken Rau 444.375 repeater site in Issaquah. The sleepy town of Issaquah is quickly becoming the UHF capital of the known world!!

900/1200 coordinator, Mark McKibbin, reported no activity up there. W7SRZ reported surprising coverage from his 1200 voice repeater from the VA hospital on Beacon Hill in Seattle.

OLD BUSINESS:

Item 1 on the agenda was the disposition of the 146.10-70 take-back pair.

Don Rose's Committee report was discussed and Vice Chairman Herman indicated that all Board Members had read and approved it. All the Board Members had been polled as to the next course of action and the all indicated that it would be best if the pair was coordinated to WA7NAN. This would replace the SNP channel of 145.13 that he now occupies. It was noted that his was the old formal application on file for this pair.

Therefor, the frequency pair was coordinated to WA7NAN by the Board to be installed on Rattelsnake Mtn, near North Bend. By rules set forth in the WWARA Coordination Policies, the new system must incorporate CTCSS protection.

Item 2, under Old Business concerned the application for coordination of 147.12 in the Olympia area by Rick Hyde, N7EHP.

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At the last Board Meeting, Mr. Hyde was tentatively coordinated this pair, pending tests with the other co-channel users in Oregon and B.C. (See December 1989 COORDINATOR) in a recent letter to the Board from Mr. Hyde, he indicates an unwillingness on Oregon's part to cooperate in these tests. He states that they are promoting a trade of 147.12, now on the South side of Mt. Hood with 147.32 now on South Saddle Mtn. in the Coast Range West of Hillsboro. These statements by Oregon are entirely contrary to Oregon's initial response to the Board Meeting regarding the pending coordination.

In his letter, Mr Hyde suggests that such a trade of channels would be a trade for a trades sake only or a maneuver to thwart his coordination attempts. He indicates that no coverage gains could be realized on Oregon's part by such a move. He sites the fact that Canada still operates on both channels with approximately equal coverage to the South.

The Board was also polled on this issue and after receipt of Mr Hydes letter, they unanimously consented to approve Mr Hydes request for coordination on a permanent basis. The system is to operate as outlined in the original application on a non-interference basis with the repeaters co-channeled on 147.12 operating from locations of record at the time of application. The system will be installed with CTCSS protection as set forth in the WWARA Coordination Policies.

NEW BUSINESS:

Vice Chairman Herman read a request from Jon Marcinko, W7FHZ, to re-coordinate the 146.12/72 repeater to him in Shelton. He indicated that John Milner, KB7BK, was no longer able to maintain the repeater and has sold the system to him. Jon indicated that all the technical parameters of the original 1981 coordination would be maintained at the Shelton site and that Bud Soper, W7BCK, would be the the trustee. The repeater is used by the Mason County ARC which is active in ARES in the County.

Jon enclosed a letter from John Milner affirming the sale and Jon also supplied a new Tech Data sheet with contacts and phone numbers.

It was moved by WR7V and seconded by W7JEZ that the coordination be approved. The members present voted in favor of the coordination motion.

ANNUAL ELECTIONS:

Positions to be elected were Chairman, Vice Chairman, Secretary/Treasurer, Board Position 2 and Board Position 4.

Nominations for Chairman were called for. Clay Freinwald, K7CR, was the only nominee...WR7Z (N) W7SRZ (S). Nominations were closed and Clay was the unanimous choice.

Nominations for Vice Chairman were called for. Steve Mayes, KA7PMC, and Mark McKibbin, WR7V, were nominated. Steve, KA7PMC, was elected to the post.

Nominations for Secretary/Treasurer were called for. Jon Marcinko, W7FHZ, was the only nominee..WR7V (N) W7JLF (S) Nominations were closed and Jon was elected.

Nominations for Board positions 2 and 4 were called for at the same time. Bob St Andre, WA7NAN, Mark McKibbin, WR7V, Geoff Apgar, W7JEZ and Bob Donnell, KD7NM, were nominated. Bob, WA7NAN was elected to Board position 2 and Mark, WR7V, was elected to Board position #4.

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MINUTES OF THE DECEMBER 2nd MEETING OF THE WWARA

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OFFICERS FOR 1990

Chairman .....Clay Freinwald, K7CR
Vice Chairman .....Steve Mayes, KA7PMC
Secretary/Treasurer ...Jon Marcinko, W7FHZ
Board #1 .....John Miller, K7TTQ (89-90)
Board #2 .....Bob St. Andre, WA7NAN (90-91)
Board #3 .....Don Rose, W7JPH (89-90)
Board #4 .....Mark McKibbin, WR7V (90-91)

It was recommended that the Board take up the matter of when elections of officers should take place. Ham Fair was suggested as there would be a better turn out at that time.

The only other New Business came from W7SRZ. Chuck operates an elaborate remote base system from his UHF repeater. It has the capability of accessing any simplex or repeater pair on 2 meters as well as other bands.

He had heard rumblings that certain repeater owners do not appreciate access to their systems via this type of remote means. Chuck indicated he is not the first, nor probably the last, to face this problem. He asked the following request be published in the COORDINATOR.

> WOULD REPEATER OWNERS THAT DO NOT WISH TO HAVE THEIR SYSTEM ACCESSED BY OPERATORS USING THE W7SRZ REMOTE BASE SYSTEM, PLEASE MAKE THEIR FEELINGS KNOWN TO ME SO I CAN LOCK OUT THEIR ACCESS TO YOUR SYSTEM!!
>
> THANK YOU, CHUCK NORTHCUTT, W7SRZ, 353 S. 116th, Seattle, Wa. 98166

It was agreed that the Board would pick the location and date for the next meeting and it was suggested that a place further North would be nice for a change.

Meeting was adjourned at 11:25 PM

Respectfully submitted,
Jon Marcinko, W7FHZ
Secretary, WWARA.

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WWARA MEETING SCHEDULE FOR 1990

For those of you that mark your calendars in the beginning of the year...here is our tentative schedule of meetings. This is subject, or course, to the Boards approval, but is based on our traditional meeting schedule.

Board Meeting	Thursday Evening	Feb 1	OMNI Restaurant
General Meeting	Saturday Morning	April 7	TBD
Board Meeting	Thursday Evening	June 7th	TBD
General Meeting	Saturday	TBD	Hamfair, Parkland
Board Meeting	Thursday Evening	Oct 4	TBD
General Meeting	Saturday Morning	Dec 1	TBD

Mark your calendar now and plan on attending as many meetings as you can.

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VRAC HAPPENINGS ...K7CR

After a period of quiet the ARRL's VHF Repeater Advisory Committee is tackling a number of items under the leadership of Karl Pagel, N6BVU, some of these items are:

1. What to do about the 900 MHz band plan in light of use of the band by others.

2. Insertion in the Repeater Directory of two maps, they would show the different areas of the country that use 15 vs. 20 khz spacing on 2 meters the other the differing UHF band plan distribution (high in vs. low in)

3. What to do with the 6 meter band plan in light of the FCC giving us an additional MHz of repeater spectrum.

4. A better way of expressing bands plans in the repeater directory.

5. 2300 MHz band plan.

6. Coordination procedures for Packet/Digi systems.

If you have any thoughts on these or other items in the area of repeaters, I'd like to hear from you, drop me a line or give me a call, Tnx.

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COORDINATION TO BE PROGRAM TOPIC ...K7CR

Your Chairman was recently invited to speak to a couple of local organizations about Coordination and the WWARA. On Jan 13th the 147.08 repeater group and on the 20th the Mike and Key ARC. Last fall Coordination was the topic at the Bremerton (WWARA) meeting.

The WWARA and frequency coordination are often misunderstood by Joe Ham for a simple reason, he does not understand how the system works and that he can be a part of it. It is the lack of understanding of the coordination mechanism that often results in conflicts etc. If you know of anyone that would like to know more about coordination here in Western Washington, or nationally for that matter, invite them to a WWARA meeting and encourage them to join the Association. If you'd like to have coordination as a program topic at your club or organizations meeting, contact the WWARA.

ARRL TO SEEK PRE-EMPTION ...Westlink

ARRL Hudson Director, Steve Mendelsohn, WA2DHF, has succeeded in leading the League to battle to assure amateurs the continued right to engage in mobile operations. Recently, several state and local municipalities have attempted or actually enacted regulations that prohibit the transportation and use by anyone of certain types of radio gear that can monitor or transmit on police or other public service frequencies. Mendelsohn's home state of New Jersey recently enacted laws that require anyone who wants to carry and use any type of short wave radio in a car....INCLUDING AMATEUR RADIO GEAR...to first obtain police permission.

At the recent meeting of the ARRL Executive Committee in St Louis, Steve introduced a motion which was passed by the committee that instructs ARRL counsel Chris Imlay, N3AKD, to file a request with the FCC for a declaratory ruling. The Committee wants the FCC to decree that it is pre-empting state statutes and local ordinances which restrict the procession and operation by licensed amateurs of radio equipment having incidental capability to receive frequencies outside of the amateur bands. The request is expected to get widespread support from other public service oriented groups that use the capabilities of amateur radio, including the CAP, Search and Rescue teams, REACT etc. Opposition is expected from states and municipalities which want more control over radio communications in their geographic area.

902 MHz COORDINATION SUSPENDED.....Westlink

Populating the new 902-928 band has come to a screeching halt in Southern California after Pacific Telesis showed up on the band. Effective December 7th the Southern California and Remote Base Assn, (SCRBBA) suspended all coordination for the 33cm band after International Teletrac Systems, a subsidiary of Pacific Telesis, announced it will begin operation of a commercial radiolocation service in the greater LA area. The system, which holds primary usage on the band, will occupy eight MHz of spectrum between 904 and 912 MHz and has the capacity to locate more than 3,000,000 vehicle positions every 24 hours.

SCRBBA's technical committee intends to meet with ITS to evaluate further Amateur Radio use of the band and to determine what options, if any, are open. These include, but are not limited to, continuing coordination within the framework of the current 33 cm band plan, making minor adjustments to the current band plan to accommodate ITS, or sponsoring a band planning meeting to hash out an entirely new band plan.

Southern California is not alone in this dilemma, by 1991 ITS will have similar systems operating in many U.S. cities. Seattle and Portland will come on line in 1991.

Recently, at SCRBBA's urging, the ARRL Executive Committee voted to amend the 33cm band plan so that 906 to 909 would be designated for repeater inputs and 918 to 921 for outputs. This is the reverse of what was adopted by the ARRL Board in July of of 1989, but was in keeping with what had been agreed to for that band at a joint SCRBBA and ARRL sponsored band planning meeting in Torrance, California, last year. As a result of the intrusion by ITS, it may well be that another meeting of this type, and possibly more than just one meeting, will be needed before hams will be able to populate 902-928 in a way that does not interfere with the primary users of the band.

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PELTS, NOW USERS WILL USE WHAT WE LOST ...Westlink

PELTS is a spectrum allocation request before the FCC that proposes returning a part of the newly reallocated 220-222 MHz spectrum back to the general public in the form of a personal emergency locator system. PELTS is an acronym for Private Emergency Locator Transmitter System, and its backers are seeking five pairs of channels in the 1 1/4 meter commercial band for introduction of the life saving system.

Under the proposal, PELTS would become the emergency locator transmitter (ELT) of the individual. In an emergency situation, the wearer of a PELTS portable transceiver would only have to press a button to summon immediate help. An added feature would be the ability for 2-way voice communications so that PELTS users could detail his situation to a doctor, emergency service or whoever would be answering the request.

The current PELTS request seeks 50KHz of spectrum between 220 and 222 for its exclusive use. In operation, the spectrum would be divided into 10 channels, each 5 KHz wide. Channels would be paired for duplex use, resulting in a nationwide plan of five PELTS locator channels. Besides the use of transferred spectrum of the Amateur Radio Service, the only negative regarding PELTS that we see is that the current NPRM places no restriction on voice communications nor does it require transmitter auto-identification. Since user to user communications is possible, there is fear in some quarters that degradation of service quality could result without auto-ID and constraint on communications. Proposals for curbs and limits are expected in the commentary process.

During the relocation fight, the main thrust of the amateur community in its argument to retain 220-222 was to keep the spectrum available for public service, especially in time of crisis. Unlike the FCC plan that calls for total commercialization of the reallocated spectrum, PELTS is commercial only as far as the sale of the hardware and logistic support. While it may return a handsome profit to its initial backers, the long term life saving aspect of PELTS, and its availability to all citizens, including hams, make it a hard issue for the amateur community to oppose.

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Meanwhile.....

The FCC has begin the rule making process that will eventually lead to the expulsion of amateurs from 220-222. The latest action is aimed at setting up service rules for using this spectrum, one of the steps that must occur before licenses can be issued.

The FCC is proposing to use a part of the band for trunking channels. 220 Pairs of 5 KHz wide pairs would be created in keeping with the Commissions push to develop new narrowband communications technologies.

Other proposals include letting market forces determine now much spectrum will be utilized by various types of users, and one idea calls for setting up non-commercial channels. The Commission says that those would be reserved for use by licensees to meet their own internal communications needs.

Blocks of channels would also be set up and most would be available to non-commercial, nationwide, licensees. Nationwide commercial applicants, like UPS, would be awarded some of the other blocks. Even the government, currently under fire for hoarding spectrum, would be granted a part of the band for use all across the country.

Non-nation-wide licensee would be given channels exclusively for a 70 mile range, with licenses good for 5 years. The FCC also proposed that applications be granted on a first come, first awarded basis. The Commission adds that a lottery could be used if needed.

This latest FCC action is independent of the legal challenges against the reallocation brought by both the Department of Justice and the ARRL. Many Washington observers feel that the Commission will simply reaffirm its original reallocation decision if ordered to take another look at the matter by the appeals court. Most feel that for the FCC to do otherwise would mean a major loss of power and stature within the Washington political community.

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NEW FOR ATV FROM AEA

Local Amateur Radio manufacturer, AEA, has recently announced a new complete line of ATV equipment, including in the line up are a new improved transceiver, linear amplifier and antenna system, all you have to add is the camera, mike, coax and some AC power and you are on the air with ATV.

With the picture becoming "fuzzy" (no pun intended) on 900 mhz 430 and 1200 appear to be the only place for ATV at the moment, this equipment operates on the 430 band.

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CHANGE OF DIVISION DIRECTOR

We are all saddened at the news that Rush Drake, W7RM suffered an apparent heart attack and has, as a result, resigned from his duties as ARRL Northwest Division Director. Bill Shrader, W7QMU, of Medford, Oregon has assumed the position. ARRL president Larry Price, W4RI, has named Mary Lou Brown, NM7M of Anacortes as Vice Directory to fill out the remaining term.

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220 REPORT ....WWARA 220 COORDINATOR, PETER DAHL, WA7FUS

Locally the most recent 220 coordinations are 224.24-222.64 to W7ERH for a repeater on Capital hill in Seattle and the re-location of 224.88-223.28 from Graham Hill near Tacoma to North Seattle.

Dan NV7L, reported that his 224.86-223.26 repeater in Naselle is working well and can be accessed as far away as some locations in Tacoma. He also reported that it provides good handheld coverage in Seaside, Oregon. We should take 220 rigs to Seaside on June 1-3.

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THE BYLAWS, ONE OF OUR GUIDELINES

At the last meeting it was requested that the Bylaws of the WWARA be published. The WWARA has two sets of operating guidelines, the Bylaws and the Coordination Policies. The former establishes the form of the Association in a general way, the latter guides and gives direction in the area where we do most of our work, frequency coordination. Please save these for future reference.

ARTICLE I : Name

SECTION 1. This organization shall be known as the Western Washington Amateur Relay Association, hereinafter referred to as the WWARA. The term 'relay' shall be defined as including repeaters, remote bases, and remotely controlled stations, herein after referred to as systems.

ARTICLE II :Purpose

SECTION 1. The purpose of the WWARA shall be:

A. To furnish system coordination, frequency conservation and management.

B. To determine and recommend technical and operational standards and policies for Amateur Radio relay systems.

C. To help minimize radio interference between and among system users.

ARTICLE III :Membership

SECTION 1. Membership in the WWARA shall be open to individual or organizations displaying an interest in Amateur Radio relay systems.

A. Requirements for regular membership are defined as owners or users of a coordinated system(s) and payment of annual dues. (amended 12-3-88)

B. (Deleted 12-3-88)

C. The membership period shall be the calendar year, January first through December 31st.

ARTICLE IV :Voting

SECTION 1. The right to vote in matter of WWARA business shall be accorded each regular member.

SECTION 2. Organizations or individuals operating more than one coordinated system shall have one vote.

SECTION 3. Each regular member shall exercise their vote through their official representative or via a party specifically so designated by that representative.

ARTICLE V :Board of Directors

SECTION 1. The Board of Directors shall consist of three Officers; Chairman, Vice-Chairman, Secretary-Treasurer and four Representatives at large.

SECTION 2. The Board of Directors shall be responsible for administering WWARA activities in accordance with the wants and needs of the members subject to the Bylaws.

SECTION 3. The election of Directors shall take place at the last General Business meeting of the year.

SECTION 4A. The Board of Directors shall be elected from regular members of the WWARA. Nominees must be present or submit evidence as to their willingness to serve. (Designate 4A 12-3-88)

SECTION 4B. The Board of Directors shall consist of owner/operators of coordinated system(s). (Added 12-3-88)

SECTION 5. Terms of office:

A. The office of Chairman, Vice-Chairman and Secretary-Treasurer shall be one calendar year.

B. Representatives shall be two calendar years, with two positions elected each year.

SECTION 6. Limitations of terms:

A. Representatives shall not be re-elected unless the office holder has been appointed by the Board to fill an un-expired term.

B. Officers may be re-elected.

SECTION 7. In the event a Director is unable to complete his or her term for any reason, the Board of Directors shall appoint a temporary Director who will serve until the next election.

SECTION 8. A Director can be removed by a majority vote of of the Board of Directors or by a majority of the regular membership.

SECTION 9. All Board of Director actions may be reversed by a majority vote of the regular membership.

SECTION 10. Board of Director members missing three consecutive regular meetings shall be replaced by the Board.

ARTICLE VI :Duties of Officers

SECTION 1. It shall be the duty of the Chairman to:

A. Preside over all WWARA meetings.

B. Supervise the activities of all standing committees.

SECTION 2. It shall be the duty of the Vice Chairman to:

A. In the absence of the Chairman preside over all WWARA meetings.

B. Be chairman of the Membership Committee.

SECTION 3. It shall be the duty of the Secretary-Treasurer to:

A. Keep accurate records of all meetings, correspondence and system data.

B. Perform such secretarial duties as may be required by the Directors and/or Committee Chairmen.

C. Keep accurate records of all financial transactions of the Association.

D. Perform such financial duties as may be requested by the Directors.

SECTION 4. It shall be the duty of the Representatives to:

A. Assist in the administration and discharging of responsibilities of the Association.

ARTICLE VII :Committees

SECTION 1. The Technical Committee of the WWARA shall be a standing committee of the WWARA. The WWARA shall appoint its members. The function of the Technical Committee shall be to:

A. Advise the Board as to technical matters.

B. To Assist members of the WWARA in resolving technical matters.

SECTION 2. The Membership Committee of the WWARA shall be chaired by the Vice-Chairman. The function of the committee shall be to:

A. Encourage membership in the Association.

B. Maintain a voting security system.

SECTION 3. The FCC Liaison Committee of the WWARA shall be responsible for interfacing of the WWARA with FCC local, regional and monitoring facilities.

SECTION 4. Coordinating Committees:

The Board shall appoint a chairman for the following committees:

A. 10 and 6 meters
B. 2 Meters
C. 220 MHz
D. 440 MHz
E. 900/1200 MHz
F. Packet Radio

Coordination committees shall keep accurate records of all related coordinations and shall make this information to the Secretary at any time.

SECTION 5. The Board of Directors may establish such other committees and appoint representatives as may be necessary to carry out WWARA business. All committees and representatives shall be responsible to the Board of Directors.

SECTION 6. The Board of Directors may, at any time, appoint an audit committee to provide the Board with an independent report.

ARTICLE VIII :Meetings

SECTION 1. General Business Meetings.

A. The WWARA shall hold at least 3 General Business meetings per calendar year.

SECTION 2. Regular Board of Director Meetings.

A. The WWARA shall hold at least 3 Board of Director meetings per calendar year.

SECTION 3. Written notice of all regular meetings shall be mailed to all members not less than 7 days prior to said meetings.

SECTION 4. Quorum.

A. Quorum for General Business meetings shall be those present.

B. Quorum for Board of Director meetings shall be four Directors.

SECTION 5. Special meetings.

A. Special meetings may be called by the Chairman or 4 Directors. All effort shall be made to notify all Directors.

B. A Special Business meeting may be called upon written request of 25% of the regular members or by the Board of Directors.

SECTION 6. All Regular Meetings of the WWARA shall be held in public buildings or facilities open to all interested parties. The time and location all all Regular Meetings shall be set by the Board of Directors.

ARTICLE IX :Dues and Assessments

SECTION 1. WWARA dues and assessments shall be determined by the Board of Directors and approved by the membership.

ARTICLE X :Affiliations

SECTION 1. The WWARA may affiliate with or sponsor such other organizations as the Association may deem appropriate.

ARTICLE XI :Binding Actions

SECTION 1. All actions passed by a vote of the WWARA within the authority of these Bylaws shall be considered binding on all members as the policy of the WWARA.

ARTICLE XII :Disbursement of funds

SECTION 1. Should the WWARA disband, the remaining funds from the treasury shall be donated to a non-profit organization or similar interest, or the ARRL.

ARTICLE XIII :Amendments

SECTION 1. The Bylaws may be amended by a majority vote of the membership at a Regular or Special membership meeting. Notification of intent to amend must be made 7 days prior to the meeting.

CHAIRMANS CORNER ...Editorial comment by Clay Freinwald, K7CR

First of all thank you to those that, via your vote, re-elected me as your Chairman at the last meeting.

As we begin another year of the WWARA I look back at almost 14 years that I have been involved in the Association...at times I wonder why I continue. (So does my wife)...I guess the reason is that I enjoy doing something for the good of the order...it would be easy to set on the other side of the table and receive...but as the good book says..the real rewards come from giving. I would hope that more of you will take time to discover some of the rewards that giving can offer and participate...ACTIVELY...in our organization, not just by paying dues, but by attending our meetings and taking part in the decision making process that has kept peace in the valley for these many years.

One area of change for 1990 will be the effort toward moving the meeting locations around. The Board requested we look at moving North at the December meeting. We have, for the most part, been meeting where we started, in Tacoma. Perhaps a meeting location more central to our population would be in order. Or, we could move the meetings around....Perhaps we will still want to have the Summer meeting at Hamfair in Parkland...I welcome your suggestions on this.

The Next meeting will be North of Tacoma...the OMNI restaurant, near Sea-Tac airport. This is the same location as used by NAPRA. Even this location appears to not be central as out of the 10 officers and chairmen on the list 70% of them will be driving South and 30% will be driving North. Its a start, lets see how this works....I'll be counting noses, hoping to see yours.

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JAMMER FINED ...Westlink

The FCC has upheld the Private Radio Bureau's action which imposed a $1200 monetary forfeiture against David B. Hodges, N3DTH, for intentional QRMing and for his failure to properly ID his station. The FCC, after it received a number of complaints of QRM to a Baltimore ATV system, traced the source of the interference to Hodges QTH.

Mr Hodges said that he did not recall whether he made the transmissions on any specific date, he admitted that, on occasion, he made such transmissions to cause interference when provoked by others.

The FCC noted that such transmissions could serve no legitimate purpose and were clearly intended to cause harmful interference. His failure to ID was obviously intended to make detection difficult or unlikely, therefor, the FCC concluded that his arguments neither excused nor mitigated the violations, they ordered the $1200 fine be paid.

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IN BRIEF, OTHER NEWS ITEMS OF INTEREST

KE7LE has taken an interesting approach to the CTCSS access frequency issue on his new UHF machine in Tacoma (442.45) The system controller announces the CTCSS frequency thus permitting those monitoring the system to select the proper tone, clever.....An amateur, East of the mountains, was recently fined $750 by the FCC for transmitting on WSP frequencies. As the story goes all he wanted to do is call for a tow truck, the question is why didn't he use the 2 meter rig in his car, it will cost him $750.....Bob MIzener, N7BUW, operator of the Spar Pole Hill 444.675 machine will be adding additional receivers and a GE voter.....Gary Hart, W7WWI, was heard on the air the other night testing one of his remote patch-links.....Several folks have worked California and the East coast during recent band openings on some of the local 6 meter repeaters.